2004 HIGHWAY SAFETY IMPROVEMENT PROGRAM OHIO RAIL DEVELOPMENT COMMISSION RAILROAD SAFETY PROGRAMS

Including:

Evaluation of Improvements Made in State FY 2002 And Summary of State FY 2005 Expenditures

Purpose: The Ohio Rail Development Commission (ORDC) Railroad Grade Crossing Safety Programs provide funding for highway-railroad grade crossing safety improvements or corrective activity designed to alleviate a highway-railroad hazard.

Effectiveness: The crashes occurring at public grade crossings in Ohio have shown a steady decline since the early 1970s. The table below summarizes the progression. The State continues to experience a leveling off, with approximately 39% of all crashes occurring at locations with active warning devices.

			Calenda	ar Year			
	1998	1999	2000	2001	2002	2003	2004
Crashes	137	127	143	123	120	112	117
Fatalities	14	19	15	21	20	11	13
Injuries	42	46	40	41	36	44	32

Funding: The ORDC Grade Crossing Safety Programs are funded through the Ohio Department of Transportation (ODOT) from the Federal Highway Administration (FHWA) Hazard Elimination Funds and Surface Transportation Program. Historically, ORDC has received \$15 million per fiscal year. This amount exceeds the \$6.3 million set-aside for railroad grade crossing safety in the <u>Intermodal Surface Transportation Efficiency Act of 1991</u> (ISTEA) by \$8.7 million. For State FY 2004, the total expenditure of the grade crossing safety programs was \$15,301,712.

Fiscal Year 2004 Activities

CROSSING APPROACH IMPROVEMENTS:

Activities such as channelization, new or upgraded traffic signals, pre-signals, guardrails and pedestrian / bicycle path improvements near the crossing are funded as part of warning device projects. These types of improvements are not specifically funded as individual projects using Federal funds administered by the ORDC. Frequently, the ORDC assists County Engineers in the administration of local projects that improve the profile improvements at public grade crossings. In addition, the State of Ohio funds grade crossing illumination projects through a state funded "Supplemental Assistance Program" administered by the Public Utilities Commission of Ohio (PUCO).

CROSSING WARNING SIGN AND PAVEMENT MARKING IMPROVEMENTS:

No specific improvements were accomplished in this area in State FY 2004 due to the fact that advance warning signs, crossbucks and pavement markings were upgraded in 1994 at all passive highway grade crossings as part of the <u>Manual on Uniform Traffic Control Devices</u> (MUTCD) experiment for the evaluation of the Buckeye Crossbuck. However, in exchange for the funding all rail highway grade crossings improvement projects, the ORDC requires the local public agency with responsibility for the crossing to install pavement markings and signing in compliance with the MUTCD.

ACTIVE GRADE CROSSING EQUIPMENT INSTALLATION / UPGRADE:

This section represents the original <u>Section 130 Program</u>. In State FY 2004, the total expenditure of the grade crossing safety programs was \$15,301,712. These expenditures are summarized at the end of this report in a Table titled <u>Summary of State Fiscal Year 2004</u> <u>Activities</u>. In addition, a summary is provided for expenditures State FY 2005. The summary is at the end of this report and titled <u>Summary of State Fiscal year 2005 Activities</u>.

Priority Warning Device Improvements

By Ohio Revised Code (ORC), the PUCO administers this portion of Ohio's grade crossing safety programs. In order to provide adequate before and after data we are evaluating this category for projects identified and funded in State FY 2002. Eighteen (18) crossings were specifically identified by the Federal Railroad Administration (FRA) Hazard Index. The locations were selected on a state-wide basis. Based on the Diagnostic Reviews that were conducted, seventeen (17) actual light and gate installations were completed under this program. The attached spreadsheet provides before and after crash evaluation for these seventeen (17) locations. This data is representative of a sample of the safety improvements funded in the ORDC's overall program. The total number of crossings funded in this manner is significantly less than prior fiscal years due to an increase in change orders processed for projects funded in past fiscal years. To rectify this, the ORDC has re-evaluated the average cost of a warning device project and currently encumbers a more accurate dollar figure upon the initial selection of the project.

Rail Corridor Program

In an effort to take advantage of economies of scale, the State of Ohio promotes the concept of upgrading segments of rail at one time. In State FY 2004, one primary corridor was addressed, A Norfolk Southern (NS) corridor from Avery to Payne on the Fostoria District (B Line). A total of 69 crossings in the corridor will either receive state-of-the-art lights and gates or be closed to vehicular traffic. For this specific FY forty-seven (47) locations were identified and funded totaling \$5,645,075. All forty-seven (47) crossings received the installation of flashing lights and roadway gates. Projects were funded at an 80-20% split and NS funded all preliminary engineering costs.

Fatal Crash Upgrade Program

The Fatal Crash Upgrade Program was a relatively new program initiated in 2001. When a community in Ohio experiences a fatal grade crossing crash, the ORDC immediately conducts a field review of the crossing. If the field review concludes that an engineering improvement would reduce the chance of another crash, the ORDC immediately addresses the engineering issue with a project to implement corrective action. In FY 2004, the ORDC funded three (3) installations of lights and gates as a result of this program.

Grade Crossing Consolidation Program

In the Grade Crossing Consolidation Program, flexible funds providing local incentive for crossing closures are utilized. The ORDC offers a range of incentives. For example, light and gate installation, surface reconstruction, profile improvement, railroad infrastructure improvements that can benefit the highway user, the creation of parallel roadways and cul-desacs.

Crossing closures are increasingly difficult to achieve. In State FY 2004, the ORDC closed six (6) crossings. In exchange for these closures two (2) light and gate installations, three (3) grade crossing surface reconstruction projects and one road relocation project in rural Richland County were performed.

County Task Force Program

The ORDC considers local level grass roots interests in grade crossing safety a critical component of its overall program. The ORDC has assisted in the creation of approximately one dozen County Railroad Safety Task Forces throughout the state. In these Task Forces, ORDC's efforts are often complemented by the work of such rail highway grade crossing safety advocacy groups as "Angels on Track Foundation." ORDC staff holds seats on each of the committees and attempts to partner with the local groups to fund safety projects that they prioritize. In 2004, the ORDC funded several projects:

The Central Columbiana and Pennsylvania (CQPA) in conjunction with the Columbiana County Engineer requested the ORDC perform two light and gate installations on this newly reactivated rail line. Projects were funded on SR 517-6.71 and TR 857.

The Ohio Central Railroad in conjunction with the Village of Dresden in Muskingum County requested the installation of flashing lights and roadway gates at Main Street. The improvement was requested because of the construction of a new school in close proximity. The project was funded at labor/material split with the Ohio Central Railroad. The project was final billed at an unprecedented rate of \$81,095.44; significantly lower than the average cost of \$190,000.

The Paulding County Engineer proposed to the ORDC that in conjunction with the local funding of a profile improvement the ORDC fund flashing lights and roadway gates at CR 79 on the Norfolk Southern Railroad. ORDC accepted the proposal.

State Route System Crossing Improvement Program

The ORDC has targeted crossings that exist on the State System without flashing lights and roadway gates to be upgraded. The ORDC intends to address a few of these crossings each fiscal year.

In FY 2004 the ORDC elected to address three crossings in which ODOT had scheduled highway widening projects and had requested ORDC administer the warning device improvements at the railroad crossings within the parameters of the highway project. Guernsey County SR 209-12.30, Hamilton County US 50-2.82 and Athens County SR 682-7.61 were updated to state-of-the-art flashing lights and roadway gates. In addition, the ORDC selected four additional State System routes for improvement. This established a total of seven crossings being improved into this program.

VISIBILITY IMPROVEMENTS:

These types of improvements are not funded as individual projects using Federal funds. Activities such as crossing illumination, sight distance improvements and vegetation clearance are funded through the PUCO's state funded "Supplemental Assistance Program."

ROADWAY GEOMETRY IMPROVEMENTS:

Surface Reconstruction Program

The ORDC funds the installation of high type surface material at grade crossings. The program primarily address crossings on the State System and is typically funded by a labor / material split. The ORDC funds the materials and the railroad funds the labor portion of the project. In 2004, the ORDC funded 39 projects.

Profile Improvement

Frequently, the ORDC assists County Engineers in the administration of local projects that improve the profile improvements at public grade crossings. Activities such as sight distance improvement and elimination of high-profile ("humped") crossings near the crossing are funded as part of the "Supplemental Assistance Program" through the PUCO.

GRADE CROSSING ELIMINATION:

Grade Crossing Consolidation Program

In the Grade Crossing Consolidation Program, flexible funds providing local incentive for crossing closures are utilized. The ORDC offers a range of incentives, for example, light and gate installation, surface reconstruction, profile improvement, railroad infrastructure improvements that can benefit the highway user, the creation of parallel roadways and cul-desacs.

In 1999, the State of Ohio began the Rail Grade Separation Program developed under the direction of Governor Bob Taft. This program is a 10-year, \$200 million program led by ODOT and ORDC. Annually, the ORDC commits \$2 million to this program. The program will address safety, mobility and economic development concerns from Ohio's local communities and elected leaders. The program is intended to address a minimum of 30 crossings during its 10 vear duration. Detailed information on this program can be found http://www.dot.state.oh.us/rgsp/.

Specifically, in 2004, the ORDC closed six (6) crossings. In exchange for these closures, two (2) light and gate installations, three (3) grade crossing surface reconstruction projects and one road relocation project in rural Richland County were performed. The table below summarizes the past five (5) Fiscal Year's closures.

FISCAL YEAR	Number of Closures
1999	24
2000	5
2001	28
2002	5
2003	6
2004	6
Total	74

GRADE CROSSING INVENTORY UPDATE:

In FY 1999, the ORDC funded the creation of a State of Ohio Grade Crossing Inventory Database. This online tool allows anyone with Internet access to view photographs of the actual crossings as well as query relevant data about the crossing. The PUCO is charged by the Ohio Revised Code (ORC) to maintain the master database for the State. To assist our sister agency, the ORDC solicits updated railroad information when all projects are initiated. ORDC works closely with the PUCO to ensure variables in the database are current.

In addition, data is updated to reflect warning devices improvements and/or modifications made by the State of Ohio. To ensure this, the ORDC requires that photographs are taken at the final inspection of each project and ORDC staff enters these photographs along with updated information about the warning devices into the database.

Summary of State Fiscal Year 2004 Activities

The following table outlines the funds expended in Fiscal Year 2004.

	Number of Crossings	Cost
Crossing Approach Improvements	0	0
Crossing Warning Sign and Pavement Marking Improvements	0	0
Active Grade Crossing Equipment Installation / Upgrade	83 (17/83 selected by Hazard Index)	\$14,168,302.73
Visibility Improvements	0	0
Roadway Geometry Improvements	27	\$1,371,329.85
Grade Crossing Elimination	6	\$2,550,000.00 (\$2,000,000 for the Grade Separation Program, \$550,000 for 6 crossing closures)
Grade Crossing Inventory Update	See previous discussion on t	his topic.

Summary of State Fiscal Year 2005 Activities

The following table outlines the funds expended in Fiscal Year 2005. This data will be fully reported in the Highway Safety Improvement Program Report submitted in June, 2005. Total expenditures for State FY 2005 are \$17,812,394.73.

Category	Number of Crossings	Cost
Crossing Approach Improvements	0	0
Crossing Warning Sign and Pavement Marking Improvements	0	0
Active Grade Crossing Equipment Installation / Upgrade	74 (21/74 selected by Hazard Index, attached <u>Federal Priority Pick</u> <u>Review Sheet</u> documents hazard rankings for prioritize crossings)	\$14,168,302.73
Visibility Improvements	0	0
Roadway Geometry Improvements	23	\$1,404,092.00
Grade Crossing Elimination	3	\$2,240,000.00 (\$2,000,000 for the Grade Separation Program, \$240,000 for 3 crossing closures)
Grade Crossing Inventory Update	See previous discussion on the	his topic.

Federal Priority Pick Review Sheet

USDOT	County	Date	Rank	WD	Notes
524223P	CUY	2/17/2005	1	GT	Equipped with lights and gates
	Sec.	100		41, E (F)	
142386S	DEF	2/17/2005	2	GT	Equipped with lights and gates
42.00	e last de	Greek (*/ T. */		
523850K	LOR	2/17/2005	3	GT	Equipped with lights and gates
15 17 945 7 2.					
524851V	HAM	2/17/2005	4	XB	Per Jennifer Kaminer, Village Administrator, INOH will remove tracks
			10.15	and a	by May, 2005 Red Bank Rd.
509478Y	FUL	2/17/2005	5	GT .	Equipped with lights and gates
12 4 74					
152380D	HAM	2/17/2005	6	GT	Equipped with lights and gates
	4 2 6			e (estate)	
518449M	RIC	2/17/2005	7	XB	Project, 04-225-RR-FED In-service 4/26/2005
532699J	ALL	2/17/2005	8	XB	Project, 05-15-RR-FED
528002B	MAD	2/17/2005	9	GT	Equipped with lights and gates
		market and the second			
155808V	woo	2/17/2005	10	XB	
155742X	PUT	2/17/2005	11	XB	Project, 04-993-RR-FED Due 6/30/3005
503541T	SUM	2/17/2005	12	GT	Equipped with lights and gates
523890H	ATB	2/17/2005	13	GT	Equipped with lights and gates
	T				
142348H	DEF	2/17/2005	14	GT	Equipped with lights and gates
energie des la la					
524190E	CUY	2/17/2005	15	GT	Equipped with lights and gates
	T				
525278F	HAM	2/17/2005	16	XB	Project, 04-973-RR-FED Due 12/312005
151334Y	CLE	2/17/2005	17	FL	
	and the second				

	1			
502874R	COL	2/17/2005	18 GT	Equipped with lights and gates
-0.7% X,55 (5		And Articles	10 11 2 2 3 3 4 1	
481545F	MAR	2/17/2005	19 XB	Project, 04-784-RR-FED In-service 4/27/2005
		21 (11 (P)		
142007P	SUM	2/17/2005	20 GT	Equipped with lights and gates
142522P	MED	2/17/2005	21 GT	Equipped with lights and gates
840688V	CUY	2/17/2005	22 FL	Project, 05-139-RR-FED Due 2/23/2006
155134D	MOT	2/17/2005	23 GT	Equipped with lights and gates
600				
228797P	SEN	2/17/2005	24 GT	Equipped with lights and gates
155727V	PUT	2/17/2005	25 XB	Project, 05-139-RR-FED Due 2/23/2006
	 			
155759B	HEN	2/17/2005	26 XB	
481431T	PIC	2/17/2005	27 GT	Equipped with lights and gates
	Ta		<u> </u>	
538767D	SHE	2/17/2005	28 XB	Project, 04-993-RR-FED Due 6/30/2005
4700005				
473629F	HUR	2/17/2005	29 XB	Project, 05-32-RR-FED Due 2/9/2006
E44660D	Tool			
544662D	COL	2/17/2005	30 GT	Equipped with lights and gates
228811H	woo	0/47/0005		
22001111	IWOO	2/17/2005	31 FL	Circuitry upgrade under 03-2404-RR-FED. Survey revealed insufficient ROW
228844V	woo	2/17/2005	20142	for placement of gates 4 Flashing lights in service 2/7/20 05 Otter Creek Rd
2200447	IVVOO	2/1//2005	32 XB	Project, 05-104-RR-FED Due 2/23/2006
524629Y	мот	2/17/2005	20 07	
3240281	INOT	2/1//2005	33 GT	Equipped with lights and gates
481521S	MAR	2/17/2005	04/40	
4010210	IMVIV	2/1//2005	34 XB	Project, 05-32-RR-FED Due 2/9/2006
482561T	FRA	2/17/2005	25/70	
1023011		211112005	35 XB	Surveyed 4/6/2005. New rank 255, Will receive street lights from State funds
523793Y	LAK	2/17/2005	36 GT	New World Drive
3237831	Irvv	2/1//2005	30 G1	Equipped with lights and gates

ŗ

Comments of				420	
1557548	HEN	2/17/2005	· 37	XB .	
3 Sept. 400		47.00 St. 3005		i di Santa	
509457F	LUC	2/17/2005	38	GT	Equipped with lights and gates
		4-70	71. 1.3		
509509V	FUL	2/17/2005	39	GT	Equipped with lights and gates
1860 F.	Sec. Sec.			N. Carrier	
518450G	RIC	2/17/2005	40	XB	
527817Y	MOT	2/17/2005	41	XB	
	de activi				
502745B	STA	2/17/2005	42	GT .	Equipped with lights and gates
		42.75	100	4 10 to 10	
142446Y	LOR	2/17/2005	43	FL	Existing devices found sufficient. City Engineer concurred Re-surveyed 3/2005
		a de la companya della companya della companya de la companya della companya dell			Team determined devices still sufficient. Oberlin Rd.
155734F	PUT	2/17/2005	44	GT .	Equipped with lights and gates
	######################################			* *****	
473470N	SCI	2/17/2005	45	FL	Surveyed 9/2003. Insufficient ROW to place gates. Adjacent street would
					need to closed. Portsmouth will not close street t. Lincoln Rd. 2nd visit, same
155052W	МОТ	2/17/2005	46	XB	Project, 04-1471-RR-FED Due 9/29/2005
523893D	ATB	2/17/2005	47	GT	Equipped with lights and gates
505081A	ATB	2/17/2005	48	XB	Surveyed 9/2002. Found to be single switch track with 10mph speed. Team
					determined existing devices sufficient Rank 163Middle rd
152414V	BUT	2/17/2005	49	XB	Project, 05-185-RR-FED Due 2/23/2006
851548Y	LUC	2/17/2005	50	XB	Project, 05-104-RR-FED Flashing lights only due to ROW Due 2/23/2006
		200			
523800G	LAK	2/17/2005	51	GT	Equipped with lights and gates
155649R	AUG	2/17/2005	52	XB	Project, 05-185-RR-FED Due 2/23/2006
5000001					
523898M	ATB	2/17/2005	53	GT	Equipped with lights and gates
5000005		0447			
523829E	LAK	2/17/2005	54	GT	Equipped with lights and gates

F

·	T T			
518464P	RIC	2/17/2005	55 XB	ORDC negotiating closure
	T T	(A) (A) (A)		
152350L	HAM	2/17/2005	56 FL	Survey founc existing de vices sufficient Redon
4.034.6.07			rick (Section)	Chickering Ave
155274F	AUG	2/17/2005	57 GT	Equipped with lights and gates
The street of				
152367P	HAM	2/17/2005	58 FL	Project, 05-185-RR-FED Due 2/23/2006
Real Plan				
473569Y	MED	2/17/2005	59 XB	Project, 05-32-RR-FED Due 2/9/2006
		. 1/4		
155733Y	PUT	2/17/2005	60 XB	Project, 05-104-RR-FED Due 2/23/2006
1-389.6				
155753K	HEN	2/17/2005	61 XB	
155716H	PUT	2/17/2005	62 XB	Project, 05-139-RR-FED Due 2/23/2006
1550558	МОТ	2/17/2005	63 XB	Project, 05-185-RR-FED Due 2/23/2006
513443E	PER	2/17/2005	64 XB	Project, 05-139-RR-FED Due 2/23/2006
509454K	LUC	2/17/2005	65 GT	Equipped with lights and gates
152393E	BUT	2/17/2005	66 GT	Equipped with lights and gates
523885L	ATB	2/17/2005	67 GT	Equipped with lights and gates
502709F	STA	2/17/2005	68 GT	Equipped with lights and gates
152173J	RIC	2/17/2005	69 FL	Project, 04-1130-RR-FED In service 3/14/2005
518530A	LOR	2/17/2005	70 GT	Equipped with lights and gates
	and the second			
518385D	MAR	2/17/2005	71 XB	
473454E	SCI	2/17/2005	72 XB	
Arriesed				
141912Y	MED	2/17/2005	73 XB	
				•
			4	

200	A ASSET			325 -40 s-4 % x	
10 Table 25 Aug.	12 July 10 Jul			e de la Cara	
502876E	COL	2/17/2005	74	GT	Equipped with lights and gates
3.50			1		
518266U	DEL	2/17/2005	75	XB	
	29 SH42	egy (S.S. C	Tolk.		
		en and Colored and the Colored	Year-Victor States		
	(ATC) WARD (AND THE ATC) TO STREET	Usas spanning company and the	-Pit 922-1500-1500-1	WE CHANGE COM	
The Aller and Aller a	o, 200 octobra octobra octobra				
00-00-00-00-00-00-00-00-00-00-00-00-00-	Man control of the state of the				
		8 2 2 7 2 8			
Describeration described from the form					

			72.2		
				2000	
	Talvelle:				
			and of new sold		
	and bearings of			l de la companya de l	
				l e	
220000000000000000000000000000000000000			AND THE PARTY		
				I TOTAL	
		an an animar and a sea	CATA ST	72220	
	I	r en			
			Maria de la compania		

2002 - Projects Funded Under 23 USC 130

-edera	Federal Funding Level in FY 2002 \$16,738,192	738,192				MAZADA	00							
6 Ligi	106 Light & Gate Installations,					PREDICTION	NOIT	CRASH	CRASH DATA BEFORE	FORE		CRASI	CRASH DATA AFTER	AFTER
Closu	5 Closures, 39 Surface Reconstructions					RANKING	ING	1999	2000	2001	2002	2003	2004	2005
COO	ROUTE	RRCO	DOT	QUARTER	TOTAL	Before	After**	Е Р	d NI	F IN P	FIP	FINP	Д	F IN P
				date of 1240	PROJECT COST	, i = 14		0 0 N 7	000	۵ ر د ک	<u> </u>	AJD	0 C	7 P
								- A	- A	- A -	- A -	A A Y		- A J
ADA	CR 13, Lawshe Road	NS	481855A	11/5/01	\$145,417.35	20	830	X		-	>		×	
ALL	North McDonel Street	CSX												+
	City of Lima	CFW&E	532713C	12/4/01	\$122,176.49	49	633	_		-		-	,	
AUG	CR 166 Infirmary Road	CSX	155647C	11/5/01	\$87,164.53	6	281		1					
CLE	CR 99,													
	Olive Branch-Stonelick Rd.	NS	481744H	11/5/01	\$84,718.10	101	620			_				
DEF	SR 281-0.19	M&W	477675V	12/4/01	\$106,844.00	51	903		-		F			
FA	CR 63, Horns Mill Road	180	228977M	12/4/01	\$154,157.07	158	695		F					-
HAN	TR 243	NS	472451F	12/5/01	\$119,185.50	137	3505	-						-
LUC	SR 295-0.22,											-		
	Berkey Southern Road	TLE&W	475261M	1/11/02	\$88,189.97	20	4669	+						
MAD	Walnut Street,													
	City of London	SN	525142T	11/18/02	\$243,152.73	173	2149							
MED	SR 57-12.45,								-	+		-		
	South Broadway,									,			-	
	City of Medina	W&LE	002089N	3/8/03	\$219,297.93	159	2507				•		· ,	
STA	Spring Street,		474391F	12/21/01	\$291,815.67		3780							
	Lippert Road,	W&LE	474392M				3991		,					
	City of Canton					198								
TRU	TR 166A, Amy Boyle Rd.	NS	544731J	12/19/01	\$142,885.03	162	3998		2					
200	TR 6, Warner Road	CSX	513305R	10/18/02	\$140,597.37	199	089		-					
WAS	TR 32, Devol Run	CSX	156151X	12/4/01	\$112,374.49	111	4680		-					
CKA	IR 24, Albaugh Road	NS	481590A	11/5/02	\$114,792.06	12	217			. 2				
MED	CR 24, Columbia Road	CSX	142497J	4/18/03	\$125,669.36	37	671			-				
MED	CR 35, Friendsville Rd.	W&LE	473548F	11/22/02	\$133,222.27	35	3420	1		2				
											4 1	1	1 1 1	1

2002 - Projects Funded Under 23 USC 130

HAZARD CRASH DATA BEFORE CRASH DATA AFTER	RANKING 1999 2000 2001 2002 2003 2004 2005	Before After**	A N D A J D A J D A N D A J D A N D A N D A N D	1240 COST T J O T U O T U O T J O T U O T D O T	A U A R A U A R A U A R	١	\[\lambda \]	4/22/02 \$172,874.04 25 272	\$2,604,533.96		to date.		
	_		⋖	<u> </u>	<u>∢</u>	<u></u>		72					
HAZARD PREDICTION	RANKING					<u> </u>							
		TOTAL	PROJECT	COST				\$172,874.04	\$2,604,533.96				
		QUARTER	date of	1240				4/22/02			to date.		
		DOT						155204R	Total		ata available t		Project Cost
6,738,192	suc	RRCO						CSX			on all crash da		74 Average
Federal Funding Level in FY 2002 \$16,738,192 106 Light & Gate Installations,	o Closures, 39 Surface Reconstructions	ROUTE						MIA CR 16, Peterson Rd.		PDO - Property Damage Only	**Ranking/After - Takes into consideration all crash data available to date.	After Rank Dated 5/26/2005	19 divided by \$2,604,533.96 = \$137,080.74 Average Project Cost